

Job Posting:171617 - Position: F25 Building Data Analytics Co-op 171617B

Co-op Work Term Posted:	2025 - Fall
App Deadline	08/15/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	07/25/2025 04:17 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Island Health
Address Line 1	4243 Glanford Ave
Address Line 2	3rd Floor
City	Victoria
Postal Code / Zip Code	V8Z4B9
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Building Data Analytics Co-op 171617B
Position Type	Co-op Position
Job Location	Victoria, BC
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	17.42 per hour for 35 Major List
Salary Range \$	\$17.42/hr to \$26.16/hr
Job Description	

NON-CLINICAL CO-OP STUDENT

ROLE TITLE: Building Data Analytics Co-op

- ROLE DESCRIPTION NO.: 00900
- DEPARTMENT: Energy, Environment & Climate Change
- REPORTING TO: Energy Team Manager
- JOB LOCATION: VIHA Glanford Office (VGA)

Salary

- Undergraduate student: \$17.42/hr to \$19.96/hr
- Graduate student: \$19.66/hr to \$26.16/hr

Additional benefits: Additional 12.2% in lieu of vacation and stat holidays

Company Background

Island Health (Vancouver Island Health Authority) is one of BC's seven health authorities. Through a network of hospitals, clinics, centres, health units, and residential facilities, Island Health provides health care to the over 860,000 people on Vancouver Island, on the islands of the Georgia Strait, and in the mainland communities between Powell River and Rivers Inlet.

Our health care services include hospital, community, and home care services. Island Health also provides environmental and public health services, including education and prevention.

More than 27,000 Island Health healthcare professionals, technicians, and support staff plus 2,900 physician partners provide excellent care and service to people living within our region. As well, contracted service partners provide direct health services and support to people across the health authority.

Join Island Health in Tackling Climate Change

Climate change is the greatest threat to public health-and to our ability to deliver excellent care. At Island Health, we're taking bold action. Climate change is a top priority in our Five-Year Strategic Framework and Organizational Goals, and we're building a passionate, high-performing team committed to making a lasting, positive impact.

To learn more, check out our Climate Change and Planetary Health Strategy.

About the Energy, Environment and Climate Change (EECC) Department

The EECC Department leads Island Health's efforts to reduce greenhouse gas emissions and environmental impacts across our buildings, operations, materials, water, and transportation systems. Our award winning department is made up of two complementary programs:

- Environmental Sustainability Program: Drives environmentally sustainable healthcare through innovative clinical, operational, and organizational practices.
- Energy Program: Develops and implements projects that reduce energy consumption and GHG emissions across our facilities.

Role Summary:

Come support the future of smart, sustainable Buildings.

Thanks to funding from BC Hydro, we're excited to offer a Co-op Student Position to support our Continuous Optimization Program, a key pillar of our Energy Program. This role focuses on scaling up our cutting-edge Fault Detection and Diagnostics (FDD) initiative, which uses real-time building data to drive actionable insights.

This is more than a co-op-it's a chance to be part of a mission-driven team that's shaping the future of sustainable healthcare. If you're passionate about climate action, data, and smart buildings, we'd love to hear from you.

Why This Matters

By optimizing building performance, this program delivers:

- Reduced GHG emissions, energy use, and operating costs
- Improved preventative maintenance and commissioning quality

We currently have Skyspark FDD software deployed in 24 facilities-covering 85% of our owned building space-and are expanding rapidly. With over 60,000 real-time data points (and 50,000 more coming soon), this is a unique opportunity to contribute to a high-impact, data-driven initiative.

What You'll Gain

Reporting to the Energy Team Manager and working closely with our Building Automation Specialists, you'll gain hands-on experience in:

- Leveraging building data to uncover energy-saving opportunities
- Developing energy management and FDD tools
- Applying cutting-edge energy conservation techniques
- Working with industry-leading software (Skyspark)

Key Responsibilities

Your work will support both the expansion and optimization of our FDD program. Tasks include:

1. Skyspark Deployment & Maintenance
 - Deploy Skyspark in 5-10 new facilities
 - Configure and install data acquisition hardware
 - Maintain and troubleshoot existing Skyspark nodes
 - Contribute to the development of our evolving taxonomy
2. Energy Management and Reporting
 - Enhance energy management tools within Skyspark
 - Develop insights at both building and portfolio levels
 - Automate reporting processes to improve efficiency and consistency
 - Integrate energy meters into Skyspark nodes
3. Fault Detection and Diagnostics
 - Write and deploy new "sparks" (automated fault detection code)
 - Develop KPIs for building performance tracking

- Roll out existing sparks and KPIs across facilities
4. Collaboration & Learning
- Participate in weekly development meetings with key partners

Working Conditions:

- The student will primarily work out of Island Health's Glanford Ave. office in Saanich on Vancouver Island. Hours of work are generally Mon-Fri 8:00-4:00
- Some travel to Island Health facilities across Vancouver Island may be required during the internship
- Flexible and alternate work arrangements can be accommodated
- Start and end dates are flexible and can be negotiated

Job Requirements

Skills and Qualifications:

The successful applicant will:

- Be enrolled in a post-secondary program and pursuing a degree in a relevant field (e.g., engineering, computer science, environmental science, data science)
- Demonstrate strong programming skills and experience in software development or scripting
- Possess excellent written and verbal communication skills, with strong attention to detail
- Exhibit strong interpersonal skills and the ability to work independently while contributing effectively to a team
- Have intermediate proficiency in Microsoft Office (Word, Excel, PowerPoint)
- Be flexible, adaptable, and eager to learn in a dynamic environment
- Perform other duties as assigned to support the team and program goals
- Have knowledge of building operations and energy efficiency practices (an asset)
- Hold a valid Class 5 Driver's License (preferred)

Core Competencies:

- Data analytics and management
- Data collection and analysis
- Programming skills

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op

Cover Letter Required? Yes

Address Cover Letter to Justin Blanchfield

Special Application Instructions

Submit your application which must include your cover letter and resume through your school's co-op portal.