

Job Posting: 176088 - Position: S26 System Operations Student 176088B

Co-op Work Term Posted:	2026 - Summer
App Deadline	12/23/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	12/16/2025 08:52 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	South Bow
City	Calgary
Province / State	AB
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 System Operations Student 176088B
Position Type	Co-op Position
Job Location	Calgary, AB
Country	Canada
Duration	16 months
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Job Description	

Job ID: JR-7440

At South Bow, we do one thing, and we do it well: safely moving oil between some of the world's most critical markets. We're building our high-performing team with versatile thinkers who thrive on solving big challenges together. If you're ready for a position where your skills are highly valued and your work is incredibly important, we want to meet you. Bring your talents to a new streamlined energy company, dedicated to operational, commercial and safety excellence as we pursue our critical purpose of delivering the energy people need.

The Opportunity

South Bow is seeking a motivated engineering student interested in hands-on experience across its SCADA & Automation, Process Hydraulics (PHE) and Leak Detection Engineering (LDE) teams. In this role, you will contribute to modeling, analysis, and engineering projects that strengthen operational reliability and enhance the overall integrity of our liquid pipeline operations.

Location: Calgary, Alberta

Term Length: 16 months (with possibility of extension)

Target Start Date: May 2026 (flexible based on academic schedule)

Teams: SCADA & Automation/Process Hydraulics & Leak Detection Engineering (Role will be shared between the teams)

What You'll Do

- Collaborate with Control Center, SCADA, PHE and LDE, Cybersecurity, Systems Operations and field teams to support safe, reliable operations
- Provide On-Call support and assist in the resolution of issues that impact the reliability of the SCADA and leak detection systems
- Maintain scorecards and dashboards for leading and lagging KPIs for stakeholders.

- Build and maintain steady-state and transient hydraulic models (e.g., flow/pressure profiles, batch scheduling, slack line checks, surge analysis)
- Perform hydraulic calculations for capacity assessment, pressure drop, pump station operating points, and operational setpoint recommendations
- Support leak detection tuning by supplying hydraulic insights (linepack, thermal effects, meter uncertainty) and validating alarms against operating scenarios
- Assist with automation & measurement initiatives: instrumentation documentation, device configuration, calibration/validation, and data quality checks
- Troubleshoot SCADA and field data issues affecting hydraulic models, leak detection performance, and measurement accuracy
- Create/refine process flow diagrams, hydraulic schematics, data flows, document assumptions, and validation steps
- Develop comprehensive reports that outline project estimates, including cost analysis, resource allocation, and timelines following regulatory and corporate compliance practices.
- Participate in design reviews, vendor meetings, and field visits, as appropriate, to connect design with operational realities

About our business

South Bow's existing oil & liquids pipeline infrastructure connects Alberta crude oil supplies to U.S. refining markets in Illinois, Oklahoma, Texas and the U.S. Gulf Coast. We remain committed to meeting the energy needs of North Americans today, while advancing our Liquids Pipelines System for the demands of the future. Connecting growing Canadian and U.S. crude oil supply to key markets, leveraging existing assets and seeking new opportunities to continue to provide our customers with access to the destinations they need.

South Bow is an equal opportunity employer and participates in the E-Verify program supervised by the U.S. government.

Learn more

Visit us at <http://SouthBow.com> and connect with us on our social media channels for our latest news, employee stories, community activities, and other updates.

Thank you for choosing South Bow in your career search.

* Depending on qualifications, the successful candidate may be offered a position at a more appropriate level and/or ladder.

* Applicants must have legal authorization to work in the country in which the position is based with no restrictions.

* All positions require background screening. Some require criminal and/or credit checks to comply with regulations.

* South Bow is committed to provide employment opportunities to all qualified individuals, without regard to race, religion, age, sex, color, national origin, sexual orientation, gender identity, veteran status, or disability. Accommodation for applicants with disabilities is available on request during the recruitment process. Applicants with disabilities can request accessible formats or communication supports by contacting human.resources@southbow.com.

Job Requirements

Minimum Qualifications

- Actively enrolled in an accredited Engineering program (Mechanical, Chemical, Electrical, Civil, Software & Computer, Energy), Computer Science, or a related discipline, with a minimum of four academic terms completed by the start date
- Enrolled at an accredited post-secondary institution and returning for at least one additional semester after the work term
- International students must hold valid study permits and post-secondary work placement documentation
- Demonstrated safety mindset and alignment with South Bow's values.
- Strong interpersonal and communication skills, with the capacity to work effectively in collaborative, cross functional environments

Preferred Qualifications

Note: Applicants do not need to have the qualifications below to be considered for the role.

- Academic or project experience in fluid mechanics, pipeline hydraulics, process control, and data analysis
- Proficiency in at least one programming language such as VB, C#, SQL, or Python
- Familiarity with hydraulic modeling tools (steady-state and transient) and SCADA concepts
- Project Management skills and/or experience with agile methodologies, including the ability to adapt and reprioritize based on evolving business needs
- Competence in using Microsoft Project.
- Experience creating data visualizations and reports using tools like Power BI, Excel, or comparable platforms

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Special Application Instructions

How to Apply

Please submit your resume and unofficial transcript. In your cover letter, include your availability window as well as any relevant projects or coursework.

Application Link: https://southbow.wd10.myworkdayjobs.com/en-US/SouthBow/details/System-Operations-Student_JR-7440

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.