

Job Posting: 176788 - Position: S26 Co-op Student: Junior Telescope Engineer 176788

Co-op Work Term Posted: 2026 - Summer
App Deadline 01/19/2026 11:59 PM
Application Method: Through Employer Website
Posting Goes Live: 01/08/2026 03:45 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization NRC - National Research Council of Canada
Address Line 1 5071 West Saanich Rd
City Victoria
Postal Code / Zip Code V9E 2E7
Province / State BC
Country Canada

JOB POSTING INFORMATION

Placement Term 2026 - Summer
** Job Title ** S26 Co-op Student: Junior Telescope Engineer 176788
Position Type Co-op Position
Job Location Penticton, BC
Country Canada
Duration 4 months
Salary Currency CAD
Salary 833.0 per week for 37.5 Major List
Salary Range \$ From \$833 to \$1107 per week (37.5 hrs)
Job Description

Job Title: Career Opportunities: Co-op Student: Junior Telescope Engineer (24852)

Job ID: 24852

Closing Date: Monday, 19 January 2026- 23:59 Eastern Time

Priority may be given to the following designated employment equity groups: women, Indigenous peoples* (First Nations, Inuit and Métis), persons with disabilities and racialized persons*.

* The *Employment Equity Act*, which is under review, uses the terminology Aboriginal peoples and visible minorities.

Candidates are asked to self-declare when applying to this hiring process.

City: Penticton

Organizational Unit: Herzberg Astronomy and Astrophysics

Discover the possible

Anything is possible at the NRC, named in 2025 one of Canada's Top Employers for Young People, Top Employer in the National Capital Region and Forbes Canada's Best Employers!

As Canada's leading research and technology organization, our world-renowned research pushes the boundaries of science and engineering to make the impossible, possible. Every day we explore new ideas through innovative research and help companies discover possibilities that impact Canada's future and the world.

At the NRC, you'll also discover new possibilities. Our supportive workplace fosters a culture of creativity, welcoming fresh perspectives and innovation at all levels. We value teamwork. You'll collaborate across multiple fields and with the brightest minds

to find creative solutions. Most importantly, you'll discover what's possible within you as you grow, make valuable contributions and progress in your professional journey. From ground-breaking discoveries to a life-changing career, discover your possible at the NRC.

Project Description

Working at the Herzberg Astronomy and Astrophysics Research Centre (HAA) with the National Research Council (NRC), you will be working on a team at The Dominion Radio Astrophysical Observatory (DRAO). The DRAO operates and manages several internationally renowned radio telescopes, all of which are in various stages of upgrades to their control, signal acquisition, and data processing systems. This includes the John A. Galt telescope, Synthesis telescope, and the Solar Radio Flux Monitor. The successful candidate will write software to support the ongoing upgrades and operations of these telescopes. This will include interacting with low-level hardware components, working with real and simulated radio telescope data, testing software on an operational telescope, and collaborating with local scientists, engineers, and technicians. Exact tasks will be chosen based on observatory priorities and the successful candidate's experience and interests.

Length of term

This is a «**16 week**» term.

Anticipated dates: starting 4 May 2026, ending 21 August 2026.

Your Responsibilities

- Make software contributions to various telescope software systems.
- Interact with the DRAO software development team, and adhere to good software development practices.
- Interact with DRAO scientists, engineers, and technologists throughout the software development life cycle.

Condition of employment

Reliability Status

For a Reliability Status, verification of background information over a period of 5 years is required.

Compensation

- From \$833 to \$1107 per week (37.5 hrs)
- Salaries are determined based on the student's work term.

Notes

- In 2025, the NRC was chosen as one of Canada's Top Employers for Young People, a National Capital Region Top Employer and Forbes Canada's Best Employer.
- The incumbent must adhere to safe workplace practices at all times.

Job Requirements

Education

Preferred Education level:

- University Undergraduate, preference for 3rd or 4th year in Computer Science, Engineering, or Applied Physics.

Requirements

- Python
- Git and standard GitHub/GitLab development workflow
- Software documentation experience
- Linux operating system
- Some experience with the below assets

Assets:

- Control system design experience
- Signal processing experience
- Containerization and software deployment experience
- C++ or Rust proficiency
- Astronomy experience
- Agile methodology experience

Who can apply?

You are eligible for the NRC Co-op Program if:

- You attend a Canadian university/college with a recognized co-op program
- You possess a minimum "B" academic average or equivalent
- Preference may be given to candidates with a "B+" academic average
- You are a Canadian citizen or permanent resident of Canada
- Foreign national students who meet the eligibility requirements, are studying in a recognized and eligible Canadian educational

institution and possess a valid Co-op Work Permit may also apply

- For more detailed requirements and information on this possibility, please refer to the information found at Citizenship and Immigration Canada

Citizenship Requirement

N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Address Cover Letter to Hiring Manager

Special Application Instructions

Application Link:

<https://career17.sapsf.com/sfcareer/jobreqcareerpvt?jobId=24852&company=nationalreP&st=E7A2740F0C2D4A00819C7D4FDBAB3412D464F649>

Application requirements

To be considered for the Co-Op program please include the following in your application. Failure to do so will result in your application being excluded.

- Cover Letter
- Resume
- Transcript
- We will accept the most recent university/ college transcript available.
- Please ensure that your full name is clearly indicated on your transcript.

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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.