

NTCO-CREATE Program - Graduate Application Form

Program Overview

The New Technologies for Canadian Observatories (NTCO) program is an exciting opportunity for students who are interested in integrating scientific and industrial research. The goal of this NSERC-CREATE funded program is to prepare Canada for technological innovation in the next generation of astronomical instrumentation. Graduates of the NTCO-CREATE program will be experienced researchers in both academic and industrial settings who are prepared for leadership roles at Canadian and international research facilities, as well as in the Canadian industrial sector.

Why apply?

Graduate students selected for the program will receive:

- Funding towards their studies: up to \$24,000 over two years for Masters students, and up to \$45,000 over three years for PhD students*
- An annual travel budget of \$1250 to participate in program-related activities
- Opportunities to network with academic and industrial members and potential employers from across Canada at the NTCO Annual General Meeting
- Professional skills workshops to develop job readiness
- Access to exclusive internship opportunities with our industrial partners

**When a student has significant other sources of funding, such as an NSERC CGSD, these amounts may be reduced in order to keep overall funding levels in line with institutional standards. Please get in touch for more information.*

Program requirements

Upon acceptance, graduate students must commit to:

- Completing the expectations of their programs at their home institutions
- Spending 20% of their academic time on internships in Canadian industry: a minimum of 4 months for Masters students (spread over 2 years), and 6 months for PhD students (spread over 3 years)
- Participating in at least one summer school related to astronomical instrumentation (e.g. the Dunlap Institute Summer School or approved equivalent)
- Attending the Annual General Meeting and any associated professional skills workshops

Eligibility

Students will be selected for their academic skills and interests in astronomical instrumentation. In order to be considered for admission into the NTCO-CREATE program, a student must be accepted into a Canadian graduate program, with a supervisor or co-supervisor confirmed from one of the host institutes: University of Victoria, University of Toronto/ Dunlap Institute, Laval University/ OMM, Université de Montréal, and McMaster University. In some instances, students from other Canadian universities can be accepted. Please contact the NTCO Program Coordinator for more information.

NTCO Graduate Student Application

Submit this completed application form, along with your current CV, via email to the NTCO Program Coordinator at ntco@uvic.ca

Name

Home Institution

Dept/Faculty

Program

Current year of program

Academic supervisor

Supervisor's affiliation

Proposed NTCO co-supervisor (if different from above)

Proposed industrial partner (if known)

Contact at this company (if applicable)

Summary of research interests (max 100 words)

Applicant signature:

Date

By signing this application form the applicant certifies that the information contained in their application package is correct to the best of their knowledge, and agrees to fulfill the requirements of the program listed in the "Program Requirements" section above. Note that applications may also be shared with NTCO industrial partners, in order to identify suitable candidates for internship placements.

Supervisor signature:

Date

Co-supervisor signature:

Date

Signatures of supervisor(s) indicate an understanding of the NTCO program requirements and a commitment to supporting the student in completing them.