

NTCO-CREATE Program - Undergraduate Application Form (revised 6 Apr 2021)

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?

Undergraduate students selected for the program will receive:

- Funding of up to \$8000 towards their studies*
- Free registration to the Dunlap Institute Summer School
- Opportunities to network with academic and industrial members and potential employers from across Canada, and to participate in professional skills workshops to develop job readiness at the NTCO Annual General Meeting
- Access to exclusive internship opportunities with our industrial partners

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

Please note: depending on university-specific policies, undergraduate stipends may be paid as a salary, in which case deductions for benefits and taxes will result in students receiving less than the full stipend amount. If this happens, we encourage the student's supervisor(s) to top up the difference.

Program requirements

Upon acceptance, undergraduate students must commit to:

- Completing the expectations of their programs at their home institutions
- Spending at least 2 months at an internship in Canadian industry*
- Participating in a relevant research or design project at a university, government research facility (HAA-Herzberg, DRAO, etc.), or institution (eg, TRIUMF)

**In cases where a student's academic research or design project has strong connections to industry, this requirement may be waived. Please get in touch for more information.*

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 enrolled in a relevant academic program and have the support of a NTCO faculty member.

NTCO Undergraduate 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

Brief description of research or design project, including supervisor's name

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.

Research or design project supervisor signature:

Date

NTCO co-supervisor signature:

Date

Signatures of supervisor(s) indicate: understanding of the NTCO program requirements; commitment to supporting the student in completing them; and awareness that students may receive less than the full stipend if it is paid as a salary, and our hope that top-up funds can be supplied by the supervisor(s) in these cases.