

Fully Funded MASc and PhD Positions at UBC

The **Artificial Intelligence for Robotics and Engineering (AIRE)** Lab is seeking highly motivated students who are interested in advancing research at the intersection of **machine learning, reinforcement learning, robotics, control, autonomous systems design, and computational modeling**. We have openings for fully funded MASc and PhD positions within the Department of Electrical and Computer Engineering at UBC's Vancouver campus, beginning September 2025.

About the Lab

The AIRE Lab's aim is to advance the next generation of AI-enabled engineering systems that autonomously learn, perceive, predict, plan, and act. We envision a future in which such systems positively impact our technology, society, and environment through pathways as diverse as disaster response, energy, transportation, and manufacturing. Our work is highly interdisciplinary, developing theory and algorithms that span topics from multiagent reinforcement learning, to physics-informed machine learning, to the development of foundation models for autonomous robotic systems, while also drawing on ideas and techniques from more traditional fields of research such as control theory, computational science, and formal verification.

For a list of relevant past projects and publications, see <https://www.cyrusneary.com/publications/>.

Application Instructions

Please apply to either the MASc or PhD program within the Department of Electrical & Computer Engineering at UBC (Vancouver campus). In your application, select *Learning, Optimization, and Control* as your desired research area and indicate *Cyrus Neary* as a potential supervisor. As a part of your UBC application, you will be required to submit: 1) a statement of intent, 2) a Curriculum Vitae, 3) official transcripts for all past degrees, 4) three letters of reference, and 5) TOEFL or IELTS scores (if required, see program details for more information). For more details, please read the program-specific instructions included in the links below.

If you have specific interest and expertise in the lab's research, or questions about the lab and this opportunity, please email cyrus.neary@ubc.ca with your CV and unofficial transcript, and include "[AIRE applicant]" in the subject line. Depending on the volume of applications and emails received, we may not be able to individually respond to all applicants.

The first round of application review will take place on **December 20th, 2024**. For PhD applicants, applications submitted before **December 31st, 2024** are preferred and will be considered by the department for a four-year fellowship. The final deadline for all applicants is **January 15th, 2025**.

Application portal: <https://grad.ubc.ca/prospective-students/application-admission/apply-online>

MASc program details: <https://ece.ubc.ca/graduate/programs/master-applied-science/>

PhD program details: <https://ece.ubc.ca/graduate/programs/doctoral-program/>