Position Title: Work-Integrated Learning STEM Mentor

Program	Bringing STEM to Life: Work-Integrated Learning Program in Physics
Location	Halifax, Nova Scotia, Canada Hybrid work environment, predominantly on-site with some remote work
Contract Duration	May 12th, 2025 – Aug 1st, 2025 (12 weeks)
Position Type	Full Time, 32 hours/week, Temporary
Salary	$8,601 (includes 12% fringe)
Position Vacancies	8

About the Organization

The Natural Science and Engineering Research Council of Canada (NSERC) Chairs for Inclusion in Science and Engineering program in Atlantic Canada (CISE-Atlantic) seeks to advance inclusion in Science, Technology, Engineering, Math and Skilled Trades. CISE-Atlantic's initiatives include youth outreach, enrichment and talent development programs, STEM education research and systemic policy reform. CISE-Atlantic is made up of faculty and staff from Dalhousie University, Memorial University of Newfoundland and Labrador, and Cape Breton University.

Job Summary

Reporting to the CISE-Atlantic Program Manager, the Work-Integrated Learning STEM Mentor will work closely with the STEM Mentor Leads, Program Partners, a High School Physics teacher and STEM Advisors to design the summer Work-Integrated Learning in Physics (W-IL in Physics) program for Black and African Nova Scotian youth in Grades 10-12.

Mentors will collaboratively develop and deliver online STEM activities and support technical learning for youth participants hired as Lab Assistants. Youth participants will work on STEM research projects based on local research and the United Nations Sustainable Development Goals (UN SDGs). Within a hybrid setting (virtual and in-person), participants will work in groups on these projects guided by Mentors (including the 2 Leads) and STEM Advisors (faculty and industry professionals), while earning a Physics high school credit.

Key Responsibilities

- Collaborate with Leads and STEM Advisors to identify locally relevant research project themes and research questions related to the UN SDGs to guide participants' research projects.
- Effectively develop STEM activities, in collaboration with a Nova Scotia-certified High School Physics teacher and assist with delivering provincial curriculum-aligned content related to identified research projects.

- Facilitate a teaching and learning environment that respects agency and fosters a sense of belonging and community.
- Assist in developing technical skills of participants, e.g., coding, and understanding of Physics and Engineering concepts through project-based learning
- Set up and maintain virtual platforms and software used during the Program including troubleshooting technical issues, assigning breakout rooms, moderating discussions as needed

Qualifications

- Significant experience engaging Black and/or African Nova Scotian communities
- Enrollment in a post-secondary institution in one or more STEM fields, e.g., Computer Science, Math, Physics, Engineering, Health Sciences
- Demonstrated experience in STEM outreach or teaching and/or mentoring youth
- Excellent written and verbal communication skills
- Self-motivated and able to adapt to changing needs and environments
- Ability to work with minimal supervision as well as collaboratively with colleagues

Condition(s): Offer of employment is contingent upon the successful candidate passing appropriate background checks - a recent Criminal (Vulnerable Sector) Background Check and Child Abuse Register Check.

To apply, please submit your resumé and cover letter by email to the Program Manager, jksidhu-brar@dal.ca, by **11:59pm on March 28th, 2025**.

We thank all applicants for their interest, however, only those selected for an interview will be contacted.

CISE-Atlantic follows Dalhousie University's commitment to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. The university encourages applications from Indigenous Peoples of Turtle Island (especially Mi'kmaq), persons of Black/African descent (especially African Nova Scotians), and members of other racialized groups, persons with disabilities, women, persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. In accordance with Dalhousie's Employment Equity Policy, preference will be given in hiring processes to candidates who self-identify as members of one or more of the equity-deserving groups listed above. For more information, including details related to this Employment Equity Policy and Plan and definitions of equity-deserving groups please visit www.dal.ca/hiringfordiversity.