

## NSERC-CREATE: Leaders in Energy Sustainability (LES) Application

APPLICANT INFORMATION			
Name		Student Number <small>(if available)</small>	Date of Birth
		B00	
CURRENT ADDRESS			
Street Address/City			
Province		Country	Postal Code
Dalhousie Email <small>(primary point of contact)</small>		Secondary Email	Phone number
VOLUNTARY SELF-IDENTIFICATION			
The LES program and Dalhousie University are committed to encouraging diversity in research. Completion of all or part of the information in this section is voluntary and will be used only to keep track of how many participants are from each group. You may decline to answer any or all of the questions in this section.			
Please indicate your gender identity:			
Man	Woman	Gender Diverse	Prefer not to respond
Do you consider yourself to be racially visible?		For the purposes of this survey, racially visible persons are people who are non-Caucasian in race or non-white in color.	
Yes	No	Prefer not to respond	
Do you consider yourself to be an Aboriginal person?		For the purposes of this survey, Aboriginal persons are people who identify as First Nations (Status, Non-Status, Treaty), Métis, Inuit, or North American Indian.	
Yes	No	Prefer not to respond	
Do you consider yourself a person with a disability?		For the purposes of this survey, persons with a disability are people who have a long term or recurring physical, sensory, mental, psychiatric or learning impairment.	
Yes	No	Prefer not to respond	
PROGRAM INFORMATION		CITIZENSHIP	
Applying as <i>(choose one)</i> :		Please select:	
Masters	Ph.D.	Canadian Citizen	
Start Date:		Permanent Resident	
Year of Study:		Student Visa Study	
Program:		Other- Specify:	
		Country(s) of Citizenship:	

<b>ACADEMIC TRAINING</b>			
<b>TRANSCRIPTS</b>			
Transcripts (an unofficial copy of transcripts is acceptable at this stage) must be included in the application package.			
<b>ACADEMIC HISTORY</b>			
Degree (1)	Major	GPA	Date Awarded
Institution/Country	Department	Discipline Group	
Degree (2)	Major	GPA	Date Awarded
Institution/Country	Department	Discipline Group	
<b>PROFESSIONAL EXPERIENCE</b>			
Please provide a curriculum vitae (CV) (separate document) that includes the following: <ul style="list-style-type: none"> <li>• All publications -include thesis title &amp; status (in progress /completed) • Relevant distinctions and awards received</li> <li>• Any other relevant experience.</li> </ul>			
<b>REFERENCE LETTERS</b>			
Applicant must submit 2 signed reference letters as part of application.			
Referee Name	Address	Email Address	Letter sent separately?
<b>APPLICATION CHECKLIST</b>			
Transcripts of previous degrees			
An up-to-date CV including publications, relevant distinctions and awards, and any other relevant experience			
Two signed reference letters			
Program agreement letter confirming full participation, signed by applicant and supervisor(s) (see Appendix A).			

**APPLICANT SIGNATURE**

I hereby certify that all of the above information and all information on supporting documents are correct and complete. I agree that any award made to me as a result of this application will be subject to the general conditions governing NSERC scholarships, the LES CREATE program, and Dalhousie University including any revisions, deletions or additions made to them in the future.

If awarded an NSERC CREATE training award, I agree to fulfill the requirements of the program, including the participation in at least three terms of mandatory workshops, industry tours, seminars, special events, and group meetings, in addition to working with a mentor (conducting an informational interview and schedule at least six structured mentoring meetings), and completing a placement (not mandatory but highly encouraged).

Applicant name (print): \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please send completed application form, Transcripts, CV and reference letters as a single PDF to [LES.energy@dal.ca](mailto:LES.energy@dal.ca).

NSERC CREATE: LES, 2022

## APPENDIX A – PROGRAM AGREEMENT LETTER

The Leaders in Energy Sustainability (LES) training program empowers trainees with research excellence skills by working with international leaders in battery technologies, photovoltaics, solar fuels, renewable energy integration, techno-economics, and comprehensive systems thinking, and will enable them to investigate the economic, social, and environmental considerations involved in various sustainable energy solutions.

Trainees are required to attend at least 80% of LES activities. If attendance drops below 80%, the trainee and supervisor will be advised that the trainee is being placed on 3 months' probation. Should the attendance record not increase to 80% or greater at the end of 3 months, funding will be canceled. Extenuating circumstances will be taken into consideration by the Management Committee. Any planned absence must be discussed in advance with the trainee's supervisor and the program coordinator. Any absences not discussed in advance will be followed up by the program coordinator and absence reports will be sent to the supervisors.

The mandatory aspects of the program include:

### **Research, Social & Environmental Acumen, and Professional Development Workshops**

Trainees are required to attend at least three terms of the Research, Social and Environmental Acumen and Professional Skill Workshops during the course of their traineeship.

### **Research Group Meetings**

Once per Term- a meeting of the entire CREATE LES cohort (trainees, their supervisors, and mentors) to discuss the projects undertaken in each group, opportunities for interdisciplinary research, methodological challenges, brainstorming and providing feedback.

### **Energy Current Events Club**

Once per Term- a trainee-led meeting to discuss recent news on new federal and international policy, science and engineering breakthroughs, new announcements of major projects or disasters that may impact the future of sustainable energy R&D.

### **Annual Research Day**

An opportunity to communicate work to academic and industrial professionals. The Research Day will include (1) a research poster competition with awards, where trainees present their findings and will be recognized, (2) a mixer that will allow interaction with stakeholders and industry. This annual event will include an additional day for a LES trainee-led symposium including talks by the trainees, a trainee-selected key-note speaker, and panel discussion.

### **Mentorship**

LES trainees will be connected to a mentorship network, including professionals from industry, government, and NGOs with (inter)national influence on sustainable energy transitions. Online or in-person meetings (e.g., monthly) will enable trainees to discuss their career paths with someone, who is interested in their success, and gather information about the workplace environment. Trainees are expected to conduct one informational interview with their mentor in order to draft the mentor's biographical sketch, and schedule at least six structured meetings, focusing on their mentoring goals.

### **Q&A/Panel on Community Research**

Dal faculty and beyond will be invited to speak to their experiences working with communities to solve problems with research.

### **Annual Industry, NGO & Government Tour and Workshop**

LES trainees will tour local and regional sustainable energy related industries, NGOs, and/or government facilities.

Participation in the following optional activities is encouraged for full enrichment through the program:

- **On-site placement**  
To facilitate student transition into professional positions, PhD and MSc trainees are encouraged to undertake a minimum of 3-4 months on-site placement in industry, government, NGOs, or business development sectors.
- **SURGE Science Innovation Sandbox**  
At the discretion of trainees' supervisors and mentors, LES trainees are recommended to participate in the innovation, commercialization, entrepreneurship training, provided by the SURGE Science Innovation Sandbox.

Your signature indicates that you understand that failure to participate in the program elements above will result in cessation of your traineeship.

SIGNATURES

Applicant name (print)	Applicant signature	Date
Supervisor name (print)	Supervisor signature	Date
Supervisor name (print)	Supervisor signature	Date

NSERC CREATE: LES, 2022