

STEM and Sustainability Education Program: Backgrounder

January 7, 2019

Durham College employees are invited to participate in a call to determine how Durham College (DC) can best utilize a new seed funding program to support student-facing and strategic STEM learning initiatives within our institution. At DC, sustainability guides our decisions and practices in fostering the continued success and well-being of our students, employees and stakeholders. DC believes in fostering sustainable behaviours and in sharing responsibility for social, environmental and economic stewardship, and strives toward the enhancement of awareness in education to this end throughout the college and greater community. Learn more about [DC's Sustainability Initiatives](#).

Siemens Sustainability Education Program

Durham College is pleased to be invited to apply for a one-time project funding from a Siemens Canada program. Siemens is an energy partner to campuses throughout North America and a long-standing building automation systems partner with Durham College. The Simcoe Geothermal project that is currently underway in the heart of the Oshawa campus is being led by Siemens Canada. The project, which will decrease campus greenhouse gas emissions, is being integrated within the campus energy infrastructure and will serve the heating and cooling needs of parts of the Gordon Willey building. Additionally, the project brings a new Energy Innovation Centre to the Oshawa campus.

The Siemens Sustainability Education program has funds available to support a range of initiatives integrating STEM learning relating to sustainability. Some examples of initiatives that could be funded:

- New program development: funds to support the development of new programs focused on sustainability
- Work Integrated Learning opportunities: funds to develop work integrated opportunities for students (field placements, co-ops, capstone projects) in areas of sustainability
- Applied Research projects focused on sustainability
- Development of student-facing initiatives in sustainability: for example, a student club

An Energy Innovation Centre Connecting to Teaching and Learning (EICCTL) steering group has been established which will evaluate proposed projects to submit for potential funding.

Guiding Principles for this funding:

- Project must be student-facing and tied to sustainability
- Project should support DC's Strategic and Academic Plan
- Project should align with DC's Applied Research Plan

If granted, funds available are estimated to be approximately \$20,000. Proposed project budgets can exceed that amount, with identification of funding from other sources. If you have a project that you would like to



submit for consideration, please complete the form attached and forward to Sarah Barrett. Project applications are due February 15, 2019. Successful applicants will be notified March 1, 2019.



Siemens Sustainability Education Program Proposal for Funding

Name of project:

Project lead:

Email:

Project description:

Amount requested:

How does this program support the objectives of the Siemens Sustainability Education Program?

Approval of Dean/Director:

Name

Date: _____