



## MASTER OF

# Education in Sustainability, Creativity and Innovation (SCI)

To learn more about CBU's Master of Education in Sustainability, Creativity and Innovation visit [CBU.ca/medsci](https://www.cbu.ca/medsci)

### **Transformative Learning for Sustainability Leadership**

The Master of Education in Sustainability, Creativity and Innovation (MEd SCI) provides the knowledge and skills to create transformative learning opportunities for others.

The M.Ed. (SCI) utilizes the competencies for Education for Sustainable Development (ESD) defined by the United Nations emphasizing the significance of systems thinking and ecological approaches that enable learners to envision change and engage in personal and professional transformation.

### **Commitment to Innovative Sustainability Education**

Cape Breton University (CBU) is committed to providing online graduate programs that foster sustainability, creativity and innovation. CBU is home to the Verschuren Centre for Sustainability in Energy and the Environment, a research and development leader for clean technology. Our Education Department focuses on Education for Sustainability and all pre-service teachers complete a core course in Teaching and Learning for a Sustainable Future. Our programs offer students groundbreaking courses on sustainable happiness, sustainability education and Mi'kmaw/L'nu culture and language. Our faculty are committed to teaching excellence and undertaking original research to support sustainability scholarship.

## Creators of the Program



**Dr. Patrick Howard** is a Professor in the Education Department at Cape Breton University (CBU). He is also a co-editor of the journal *Phenomenology & Practice*.

Patrick teaches in the Bachelor of Education program and in Teacher Education. A former secondary school teacher for over twenty years, his research

interests explores the intersection between language, literacy, phenomenology and ecology. A Social Sciences and Humanities Research Grant recipient, his work also explores digital media literacies and Education for Sustainability.

His work has been published in national and international journals. He is the co-editor of the book *Living Schools: Transforming Education* with Dr. Catherine O'Brien.

[www.patrickhoward.ca](http://www.patrickhoward.ca)



**Dr. Catherine O'Brien** is an award-winning Senior Scholar with the Education Department of Cape Breton University. Her research and teaching have focused on sustainability and sustainable communities for more than twenty years.

Catherine created the concept of sustainable happiness with the

aim of fostering well-being for all, sustainably. She developed and teaches the world's first university course in sustainable happiness. Through her teaching, workshops, and writing she encourages individuals and organizations to identify how their happiness and well-being are interconnected with the well-being of other people and the natural environment.

In 2010, Dr. O'Brien was honoured by the Canadian Network for Environmental Education and Communication with the designation of Outstanding Post-Secondary Individual. She was an invited participant at the 2012 United Nations High Level Meeting on Sustainable Wellbeing and Happiness and continues to contribute to national and international discussions about the role that education can play to create a sustainable future.

Catherine's book, *Education for Sustainable Happiness and Well-being*, outlines how educators and students can be change leaders to realize an education vision of well-being for all, sustainably. [sustainablehappiness.world](http://sustainablehappiness.world).

Catherine has co-edited a book with Dr. Patrick Howard on *Living Schools: Transforming Education*.

[livingschools.world](http://livingschools.world).

## What a M.Ed. (SCI) will do for You:

- Become a stronger, more empowered leader in Education for Sustainability;
- Enhance your teaching skills through real-world connections and integrated learning;
- Deepen your knowledge of pedagogies to promote critical thinking, creativity and innovation;
- Explore and implement options for you to contribute to individual, community, and global well-being; and
- Build your skills and resume with field-based research and practical project design.

## Program Overview

- Flexible online course delivery
- Designed for part-time study
- Can be completed in 36 months
- Option of course work only (non-thesis) or a thesis route

*Thesis students complete five core courses (3 credits each), two electives (3 credits each) and a thesis (9 credits)*

*Project students complete five core courses (3 credits each), three electives (3 credits each) and a project (6 credits).*

## Who Should Apply

For more than thirty years, the Education Department at CBU has been providing innovative, technology enhanced opportunities for professional development for educators.

The M.Ed. (SCI) is designed to meet the interdisciplinary learning needs of:

- K-12 classroom teachers
- Post-secondary instructors
- Community and non-profit educators
- Heritage and museum educators and interpreters
- Outdoor learning educators
- Environmental educators
- Corporate trainers

The M. Ed. (SCI) at CBU  
is in partnership with:



[www.lsf-lst.ca](http://www.lsf-lst.ca)

For more information contact:

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[CBU.ca/medsci](http://CBU.ca/medsci)