

Decolonization in the Faculty of Science: A place to start

The following materials are by no means an exhaustive list and are intended to be a starting point in your personal educational journey. Decolonization and indigenization of teaching, research, and service practices take time, intentional effort, and critical reflection. We hope these resources shed light on the responsibility we all have in decolonizing the academy.

Integrative Biology

[Towards reconciliation: 10 Calls to Action to natural scientists working in Canada](#)

[Contributions of Indigenous Knowledge to ecological and evolutionary understanding](#)

["Two-Eyed Seeing": An Indigenous framework to transform fisheries research and management](#)

[Decolonising conservation policy: How colonial land and conservation ideologies persist and perpetuate Indigenous Injustices at the expense of the environment](#)

Biomedical Sciences

[An introduction to indigenous health and healthcare in Canada: Bridging health and healing](#)

[Bridging indigenous and western sciences: Research methodologies for traditional, complementary, and alternative medicine systems](#)

[Embracing Indigenous Knowledge in science and medical teaching](#)

[Traditional healing](#)

Chemistry and Biochemistry

[Decolonizing the undergraduate chemistry curriculum: An account of how to start](#)

[Integrating perspectives from indigenous knowledge and Western science in secondary and higher chemistry learning to contribute to sustainability education](#)

[Indigenizing science curriculum with an eye to place and authentic experience](#)



Computer Science

[Decolonizing the digital landscape: the role of technology in Indigenous language revitalization](#)

[A digital bundle: protecting and promoting indigenous knowledge online](#)

[Decolonizing technology: A reading list](#)

School of the Environment

[Envisioning indigenized geography: A two-eyed seeing approach](#)

[Weaving Indigenous and western knowledge](#)

[Unsettling decolonizing geographies](#)

[Braiding sweetgrass: Indigenous wisdom, scientific knowledge, and the teachings of plants](#)

Economics

[Decolonizing economics \(article\)](#)

[Educating for reconciliation in the economics classroom](#)

Mathematics and Statistics

[Teaching mathematics in relationship with Indigenous ways of knowing](#)

[Throwing the bones and building their models](#)

[Indigenous basket-weaving makes an excellent digital math lesson](#)

[What is Indigenous mathematics?](#)

Physics

[Indigenizing the next decade of astronomy in Canada](#)

[Decolonizing light: Centering Indigenous concerns in science](#)

[Big Thinking - Leroy Little Bear: Blackfoot metaphysics 'waiting in the wings'](#)