

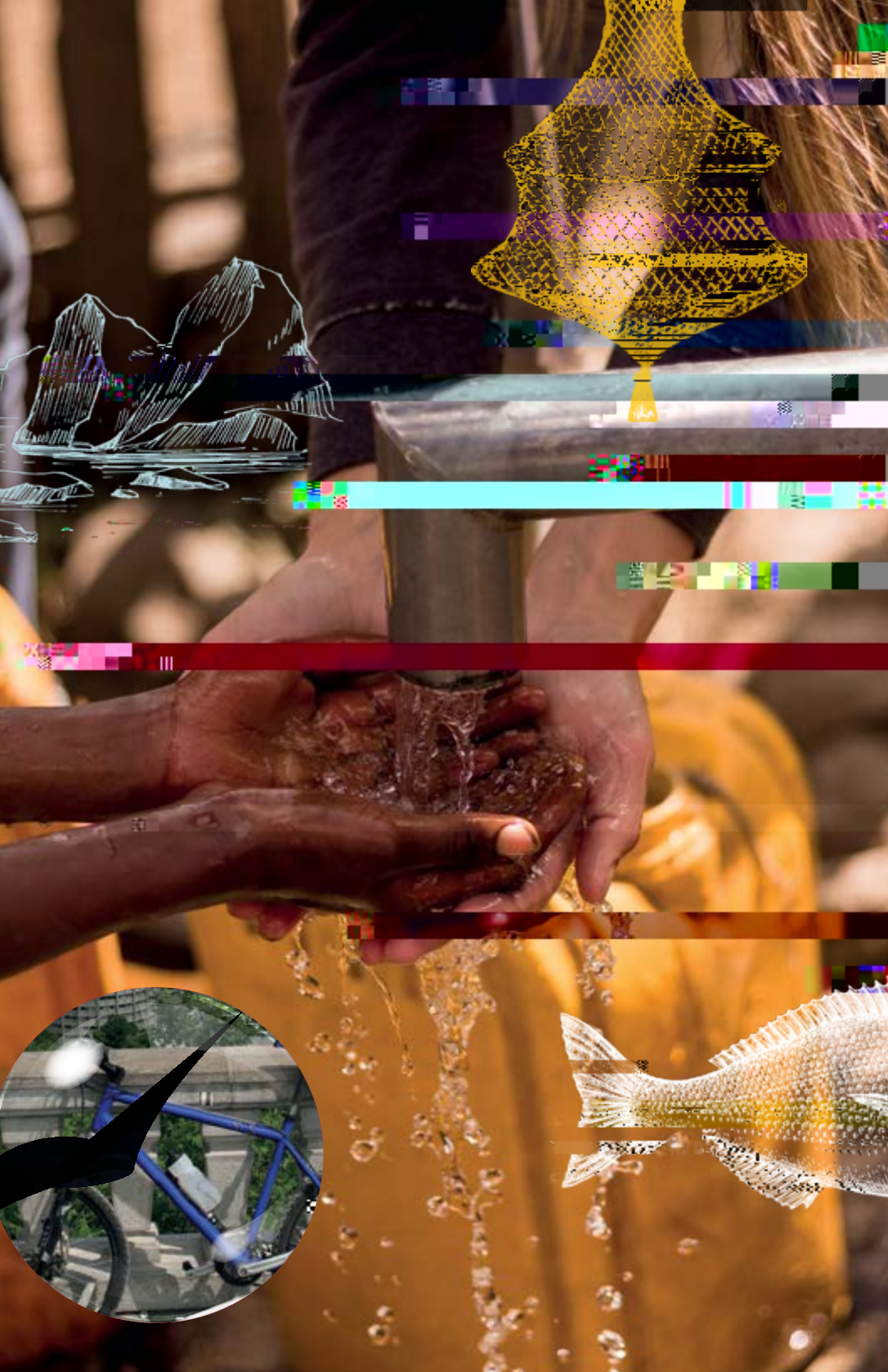


# Biele School of En i onmen

Our world face unprecedented environmental challenge has require new approaches and disciplines. The Biele School of En i onmen aim to add e c i c a l environmental i nte r m u l t i p l e p e r s p e c t i v e , h a n d s a n d h e a d s o c i a l c o n e c t i o n , a n d a d a p t a c o n a n l c h a n g i n g w o r l d .

The growth of technology, globalizing economies, and rapid increase in consumption, have had dramatic and significant environmental impacts, requiring us to rethink human-environment relations, political and economic decision-making, and social well-being. The complexity of the problems we face call for knowledge that is both highly specialized and broadly applicable across disciplines and fields.

McGill University's Faculty of Agricultural and Environmental Science, Arts, and Science have come together to forge a unique approach to the study of the environment, through the Biele School of En i onmen (BSE). Encompassing a broad range of ideas, methods, and perspectives, we provide a foundation upon which more specialized knowledge can be built, to enable and develop the interdisciplinary approaches of the 21st century.



The Biele School of Engineering offers a number of undergraduate programs, both on and in the discipline of concentration. The concentration is a combination of the following departments and faculties at McGill.

Concentration is a series of elective courses that are required for the undergraduate and managing the in the face of a natural and human environment. The Bachelor of Arts & Science degree (In the Faculty of Professional Studies) focuses on the effective management of the environment, and has a specific concentration.

**B.Sc.**



# Enjo he be

of ha McGill ha o o'e !

## Two Campuses, One School

In a m̄l in e di ciplina ed̄ca i onal e pe ience, Biele School of En i onmen m̄den bene f om he di e e and in pi ing oppo m̄ni ie o'e ed b three faculties on two McGill Campuses: he Fac̄l of A and he Fac̄l of Science, loca ed on he Do n o n Camp̄ in he hea of Mon eal and he Fac̄l of Ag ic̄l m̄al and En i onmen al Science , loca ed on he Macdonald Camp̄ in Sain e-Anne-de-Belle m̄e, 35 km e of Mon eal.



## Studying Locally and Globally

Biele m̄den ha e man oppo m̄ni ie fo eld e ea ch, e pe ien ial lea ning, and eld eme e m̄die , in Canada and a o m̄d he o ld, in egion ang ing f om he A L̄na de e , o Ba bado , Panama, and Ea Af ica. We enco m̄ age all Biele m̄den o engage i h local and global o'e al challenge , and o ge a bi of he en i onmen m̄de hei nge nail !





In addition to the seven core ENVR courses, students in the Environment Major focus their studies in one of the following:

### 1. Atmospheric Environment and Air Quality

This concentration focuses on the mechanism of atmospheric and on atmospheric chemistry. Courses examine how the atmosphere is polluted, locally and globally, and the mechanism and processes by which pollutants are elevated from the atmosphere.

### 2. Biodiversity and Conservation

This concentration links the field of biodiversity which combines ecology with ecology and genetics, with the applied field of conservation biology which deals with the preservation of the incision of a species and maintenance of community diversity.

### 3. Earth Sciences and Economics

In this concentration, students are introduced to the fundamental of earth science, natural resource economic, public policy for resource industries, and the potential effects of climate change on the global economy.

### 4. Ecological Determinants of Health

This concentration focuses on the interface between environment and human well-being

through the elements of food and infectious agents. To prevent or reduce infectious contamination in the environment, to improve food production and nutritional quality, and understanding of social factors has influence how we respond, individually and collectively. The degree of exposure to and within the concentration: Population and Cellular.

### 5. Environmetrics

This concentration emphasizes the critical need for sound design and application of statistical methods in environmental science. Students learn how to analyze and model environmental change and health

In addition to the seven core ENVR courses, students in the Interfaculty Program Environment can work with an adviser to select courses from diverse subject areas in the social and natural sciences, to create a liberal arts and science curriculum embodying critical thinking and

## Honours

The Honours program gives students the opportunity to pursue a degree, focused and individual, in a specific area of the course of a full-time undergraduate program. While Honours is not necessarily a requirement for admission to the Honours program, it is an additional preparation for admission to the program.

## Diploma

The Diploma in Environmental Science (30 credits) is designed for students who wish to obtain a degree in the field of environmental science, complementing their specialization in an additional undergraduate program.

The Diploma is a 30-credit program of full-time or part-time study. Taken full-time, the Diploma is a one-year program. Students holding a BSc or BA degree or equivalent can register for the Diploma in Environmental Science, of the Faculty of Science, the Faculty of Agricultural and Environmental Science, or the Faculty of Arts, provided they meet the university's admission criteria.



## Mino

The Environmental Mino (18 credits) is intended to complement the previous program, gained through a Major, Major Concentration, Faculty Program, or Interdisciplinary Program. Students taking the Mino (or Mino Concentration) in Environmental Science, as a pre-graduate approach, will help them gain an understanding of the complex and conflicting issues in environmental problems.





**Bieler School of Environment**

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