

ENVIRONMENT INTERFACULTY PROGRAM (B.A. & SC.) (54 CREDITS)

Offered by: Bieler School of Environment
Degree: Bachelor of Arts and Science
Program credit weight: 54

Program Description

The growth of technology, globalization of economies, and rapid increases in population and per capita consumption have all had dramatic environmental impacts. The Interfaculty Program Environment for the Bachelor of Arts and Science is designed to provide students with a broad "Liberal Arts/Science" training. In combination with careful mentoring, this program offers a great degree of flexibility, allowing students to develop the skills and knowledge base required to face the myriad of environmental problems that currently need to be addressed.

Program Requirements

1. Students are required to take a maximum of 21 credits at the 200 level and a minimum of 12 credits at the 400 level or higher in this program. This includes required courses.
2. Students must complete at least 21 credits in the Faculty of Arts and at least 21 in the Faculty of Science as part of their interfaculty program and their minor or minor concentration. ENVR courses are considered courses in both Arts and Science, and so the credits are split between the two faculties for the purpose of this regulation.

Location Note: When planning your schedule and registering for courses, you should verify where each course is offered because courses for this program are taught on both McGill's Downtown campus and at the Macdonald campus in Sainte-Anne-de-Bellevue.

Degree Requirements — B.A. & Sc. students

This program is offered as part of a Bachelor of Arts & Science (B.A. & Sc.) degree.

To graduate, students must satisfy both their program requirements and their degree requirements.

- The program requirements (i.e., the specific courses that make up this program) are listed under the Course Tab (above).
- The degree requirements—including the mandatory Foundation program, appropriate degree structure, and any additional components—are outlined on the Degree Requirements page.

Students are responsible for ensuring that this program fits within the overall structure of their degree and that all degree requirements are met. Consult the Degree Planning Guide on the SOUSA website for additional guidance.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (18 credits)

Location Note: Core required courses are taught at both McGill's Downtown campus and at the Macdonald campus in Sainte-Anne-de-Bellevue. You should register in Section 001 of an ENVR course that you plan to take on the Downtown campus, and in Section 051 of an ENVR course that you plan to take on the Macdonald campus.

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Course	Title	Credits
ENVR 200	The Global Environment.	3
ENVR 201	Society, Environment and Sustainability.	3
ENVR 202	The Evolving Earth.	3
ENVR 203	Knowledge, Ethics and Environment.	3
ENVR 301	Environmental Research Design.	3
ENVR 400	Environmental Thought.	3

Complementary Courses (36 credits)

Senior Research Project

Only 3 credits will be applied to the program; extra credits will count as electives.

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Course	Title	Credits
AEBI 427	Barbados Interdisciplinary Project.	6
ENVR 401	Environmental Research.	3
ENVR 451	Research in Panama.	6
FSCI 444	Barbados Research Project.	6
GEOG 451	Research in Society and Development in Africa.	3

Statistics

One of:

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Course	Title	Credits
AEMA 310	Statistical Methods 1.	3
GEOG 202	Statistics and Spatial Analysis.	3
MATH 203	Principles of Statistics 1.	3
PSYC 204	Introduction to Psychological Statistics.	3

Areas

30 credits from at least three of the following Areas. At least 6 credits must be at the 400 level or higher, selected either from these lists or in consultation with the Program Adviser.

Area 1: Population, Community, and Ecosystem Ecology

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Course	Title	Credits
BIOL 308	Ecological Dynamics.	3
BIOL 432	Limnology.	3
BIOL 441	Biological Oceanography.	3
BIOL 540	Ecology of Species Invasions.	3

ENVB 305	Population and Community Ecology.	3
ENVB 410	Ecosystem Ecology.	3
ENVB 500	Advanced Topics in Ecotoxicology.	3
ENVR 540	Ecology of Species Invasions.	3
PLNT 460	Plant Ecology.	3

¹ Note: You may take BIOL 308 Ecological Dynamics. or ENVB 305 Population and Community Ecology..

Area 2: Biodiversity and Conservation

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Course	Title	Credits
BIOL 305	Animal Diversity.	3
BIOL 310	Biodiversity and Ecosystems.	3
BIOL 343	Biodiversity in the Caribbean.	3
BIOL 427	Herpetology.	3
BIOL 465	Conservation Biology.	3
MICR 331	Microbial Ecology.	3
PLNT 358	Flowering Plant Diversity.	3
WILD 307	Natural History of Vertebrates.	3
WILD 350	Mammalogy.	3
WILD 420	Ornithology.	3

Area 3: Field Studies in Ecology and Conservation

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Course	Title	Credits
BIOL 240	Monteregian Flora.	3
BIOL 331	Ecology/Behaviour Field Course.	3
BIOL 334D1	Applied Tropical Ecology.	1.5
BIOL 334D2	Applied Tropical Ecology.	1.5
BIOL 335	Marine Mammals.	3
BIOL 553	Neotropical Environments.	3
GEOG 495	Field Studies - Physical Geography.	3
WILD 475	Desert Ecology.	3

Area 4: Hydrology and Water Resources

* Note: If chosen, you may take only one of: GEOG 322 Environmental Hydrology., BREE 217 Hydrology and Water Resources., or CIVE 323 Hydrology and Water Resources..

** Note: If chosen, you may take EPSC 522 Advanced Environmental Hydrology. or GEOG 522 Advanced Environmental Hydrology..

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Course	Title	Credits
BREE 217	Hydrology and Water Resources.	3
CIVE 323	Hydrology and Water Resources.	3
EPSC 522	Advanced Environmental Hydrology.	3
EPSC 549	Hydrogeology.	3
GEOG 322	Environmental Hydrology.	3
GEOG 470	Wetlands.	3

GEOG 522	Advanced Environmental Hydrology.	3
GEOG 530	Global Land and Water Resources.	3

Area 5: Human Health

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Course	Title	Credits
NUTR 307	Metabolism and Human Nutrition.	3
PARA 410	Environment and Infection.	3
PATH 300	Human Disease.	3
PHAR 303	Principles of Toxicology.	3

Area 6: Earth and Soil Sciences

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Course	Title	Credits
ATOC 215	Oceans, Weather and Climate.	3
ATOC 341	Caribbean Climate and Weather.	3
EPSC 201	Understanding Planet Earth.	3
GEOG 272	Earth's Changing Surface.	3
GEOG 305	Soils and Environment.	3
GEOG 321	Climatic Environments.	3

Area 7: Economics

Note: If chosen, you may take AGECE 200 Principles of Microeconomics. or ECON 208 Microeconomic Analysis and Applications..

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Course	Title	Credits
AGECE 200	Principles of Microeconomics.	3
AGECE 333	Resource Economics.	3
ECON 208	Microeconomic Analysis and Applications.	3
ECON 326	Ecological Economics.	3
ECON 347	Economics of Climate Change.	3
ECON 405	Natural Resource Economics.	3
ECON 511	Energy, Economy and Environment.	3
GEOG 216	Geography of the World Economy.	3

Area 8: Development and Underdevelopment

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Course	Title	Credits
AGRI 411	Global Issues on Development, Food and Agriculture.	3
ANTH 212	Anthropology of Development.	3
ANTH 418	Environment and Development.	3
ECON 313	Economic Development 1.	3
ECON 314	Economic Development 2.	3
GEOG 325	New Master-Planned Cities.	3
GEOG 408	Geography of Development.	3
GEOG 409	Geographies of Developing Asia.	3
GEOG 423	Dilemmas of Development.	3
POLI 227	Introduction to Comparative Politics - Global South.	3

POLI 445	International Political Economy: Monetary Relations.	3
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WILD 421	Wildlife Conservation.	3
WOOD 441	Integrated Forest Management.	3

Area 9: Cultures and People

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Course	Title	Credits
ANTH 206	Environment and Culture.	3
ANTH 339	Ecological Anthropology.	3
ENVR 421	Montreal: Environmental History and Sustainability.	3
GEOG 210	Global Places and Peoples.	3
GEOG 498	Humans in Tropical Environments.	3
HIST 292	History and the Environment.	3
HIST 510	Environmental History of Latin America (Field).	3

Area 10: Human Ecology and Health

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Course	Title	Credits
ANTH 227	Medical Anthropology.	3
GEOG 303	Health Geography.	3
PHIL 343	Biomedical Ethics.	3
SOCI 225	Medicine and Health in Modern Society.	3
SOCI 309	Health and Illness.	3

Area 11: Spirituality, Philosophy, and Thought

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Course	Title	Credits
ANTH 318	Globalization and Religion.	3
EDER 461	Society and Change.	3
PHIL 221	Introduction to History and Philosophy of Science 2.	3
PHIL 237	Contemporary Moral Issues.	3
PHIL 341	Philosophy of Science 1.	3
PHIL 348	Philosophy of Law 1.	3
RELG 270	Religious Ethics and the Environment.	3
RELG 370	Religion and Human Rights.	3

Area 12: Environmental Management

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Course	Title	Credits
AGRI 550	Sustained Tropical Agriculture.	3
COMS 360	Environmental Communication.	3
ENVB 437	Assessing Environmental Impact.	3
ENVR 422	Montreal Urban Sustainability Analysis.	3
GEOG 302	Environmental Management 1.	3
GEOG 340	Sustainability in the Caribbean.	3
GEOG 404	Environmental Management 2.	3
NRSC 333	Pollution and Bioremediation.	3
POLI 350	Global Environmental Politics.	3
WCOM 314	Communicating Science.	3
WILD 401	Fisheries and Wildlife Management.	3