FACULTY PROGRAM ENVIRONMENT - ENVIRONMENT AND DEVELOPMENT (B.A.) (54 CREDITS)

Offered by: Bieler School of Environment (Faculty of Science)
Degree: Bachelor of Arts
Program credit weight: 54

Program Description

The B.A.; Faculty Program in Environment; Environment and Development is an introduction to theories, concepts and approaches associated with the complexities between environment and development. The problems and solutions to the development/environmental crisis, which include: the natural world, theories behind economic development and growth, and of the cultural constructs of nature and environment; knowledge of global economic and environmental organizations; and sustainability and the climate crisis.

Degree Requirements — B.A. students

To be eligible for a B.A. degree, a student must fulfil all Faculty and program requirements as indicated in Degree Requirements for the Faculty of Arts.

We recommend that students consult an Arts OASIS advisor for degree planning.

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.

Program Prerequisites or Corequisites

To graduate from the Faculty Program in Environment, students are required to complete these courses by the end of their U1 year. These courses can be taken using the Satisfactory/Unsatisfactory option. See: http://www.mcgill.ca/study/university_regulations_and_resources/undergra... for details.

Calculus

3 credits of calculus from the following, or equivalent (e.g., CEGEP objective OOUN):

Expand allContract all

Course	Title	Credits
MATH 139	Calculus 1 with Precalculus.	4
MATH 140	Calculus 1.	3

Basic Science

3 credits of basic science from the following, or equivalent (e.g., CEGEP objectives: Biology OOUK, Chemistry OOUL, Physics OOUR):

Expand allContract all

Course	Title	Credits
BIOL 111	Principles: Organismal Biology.	3
CHEM 110	General Chemistry 1.	4
PHYS 101	Introductory Physics - Mechanics.	4

Suggested First Year (U1) Courses

For suggestions on courses to take in your first year (U1), you can consult the "Bieler School of Environment Student Handbook" available on the website (http://www.mcgill.ca/environment), or contact Ms. Kathy Roulet, the Program Adviser (kathy.roulet@mcgill.ca).

Program Requirements

Note: Students are required to take a maximum of 30 credits at the 200 level and a minimum of 12 credits at the 400 level or higher in this program. This includes required courses, but does not include the program prerequisites or corequisites listed above.

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 at both McGill's Downtown campus and Macdonald campus in Sainte-Anne-de-Bellevue.

Required Courses (30 credits)

Location Note: ENVR courses are taught at both McGill's Downtown campus and Macdonald campus. You should register in Section 001 of an ENVR course on the Downtown campus, and in Section 051 of an ENVR on the Macdonald campus.

Expand allContract all

Course	Title	Credits
ANTH 339	Ecological Anthropology.	3
ECON 313	Economic Development 1.	3
ECON 314	Economic Development 2.	3
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
GEOG 302	Environmental Management 1.	3

Complementary Courses (24 credits)

Senior Research Project

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

3 credits from:

Expand allContract all

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

Microeconomics

3 credits from:

Expand allContract all

Course	Title	Credits
AGEC 200	Principles of Microeconomics.	3
ECON 208	Microeconomic Analysis and Applications.	3

Statistics

3 credits from one of the following Statistics courses or equivalent:

Note: Credit given for Statistics courses is subject to certain restrictions. Students should consult the "Course Overlap" information in the "Course Requirements" section for the Faculty of Arts.

Expand allContract all

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

Advanced Development Courses

6 credits from:

Expand allContract all

Course	Title	Credits
AGEC 442	Economics of International Agricultural Development.	3
AGRI 411	Global Issues on Development, Food and Agriculture.	3
GEOG 408	Geography of Development.	3
GEOG 409	Geographies of Developing Asia.	3
GEOG 423	Dilemmas of Development.	3
GEOG 514	Climate Change Vulnerability and Adaptation.	3
GEOG 525	Asian Cities in the 21st Century.	3

Natural Sciences

3 credits from:

Expand allContract all

Course	Title	Credits
AEBI 421	Tropical Horticultural Ecology.	3
AGRI 550	Sustained Tropical Agriculture.	3
ATOC 341	Caribbean Climate and Weather.	3
BIOL 308	Ecological Dynamics.[1]	3
BIOL 343	Biodiversity in the Caribean.	3
BIOL 451	Research in Ecology and Development in Africa.	3
BIOL 465	Conservation Biology.[1]	3
BIOL 553	Neotropical Environments.	3
BREE 217	Hydrology and Water Resources.[1]	3
ENVB 210	The Biophysical Environment.[1]	3
ENVB 305	Population and Community Ecology.	3
GEOG 305	Soils and Environment.[1]	3
GEOG 322	Environmental Hydrology.[1]	3
NRSC 451	Research in Ecology and Development in Africa.	3
NUTR 501	Nutrition in the Majority World.	3
NUTR 505	Public Health Nutrition.	3
PARA 410	Environment and Infection.	3
WILD 421	Wildlife Conservation.[1]	3

[1] Note: If chosen, you may take BIOL 308 Ecological Dynamics. or ENVB 305 Population and Community Ecology. ; you may take BIOL 465 Conservation Biology. or WILD 421 Wildlife Conservation.; you may take ENVB 210 The Biophysical Environment. or GEOG 305 Soils and Environment.; you may take BREE 217 Hydrology and Water Resources. or GEOG 322 Environmental Hydrology..

Social Sciences

6 credits from:

Expand allContract all

Course	Title	Credits
AEBI 423	Sustainable Land Use.	3
AEBI 425	Tropical Energy and Food.	3
AGEC 333	Resource Economics.	3
ANTH 322	Social Change in Modern Africa.	3
ANTH 451	Research in Society and Development in Africa.	3
ANTH 512	Political Ecology.	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
ENVR 421	Montreal: Environmental History and Sustainability.	3
ENVR 422	Montreal Urban Sustainability Analysis.	3
GEOG 201	Introductory Geo-Information Science.	3
GEOG 311	Economic Geography.	3
GEOG 331	Urban Social Geography.	3
GEOG 340	Sustainability in the Caribbean.	3
GEOG 404	Environmental Management 2.	3
GEOG 496	Geographical Excursion.	3
GEOG 498	Humans in Tropical Environments.	3
GEOG 510	Humid Tropical Environments.	3
GEOG 514	Climate Change Vulnerability and Adaptation.	3
GEOG 530	Global Land and Water Resources.	3
HIST 292	History and the Environment.	3
HIST 510	Environmental History of Latin America (Field).	3
INTD 360	Environmental Challenges in Development.	3

POLI 345	International Organizations.	3
POLI 350	Global Environmental Politics.	3
POLI 445	International Political Economy: Monetary Relations.	3
SOCI 254	Development and Underdevelopment.	3
SOCI 331	Population and Environment.	3
WCOM 314	Communicating Science.	3