ENVIRONMENT MINOR (B.SC. (AG.ENV.SC.)) OR (B.SC.) (18 CREDITS)

Offered by: Bieler School of Environment
Degree: Bachelor of Science (Agricultural and Environmental Sciences)
Program credit weight: 18

Program Description

This 18-credit Minor Environment is intended for Faculty of Agricultural and Environmental Sciences students, and Faculty of Science students, but is open to students from other faculties as well, except Arts, Law, and Management. Students in Arts, Law, and Management should complete the Minor Concentration Environment.

Advising Note

Consultation with the Program Adviser for approval of course selection to meet program requirements is obligatory. No overlap is allowed between this program and the student's major program or concentration, or a second minor program.

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.

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Complementary Courses (18 credits)

18 credits of complementary courses, all of which must fall outside the discipline or field of the student's major program or concentration, and which must be 200-level or above, selected as follows:

12 credits of Bieler School of Environment core courses:

The core ENVR courses are taught at both campuses. 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 400	Environmental Thought.	3

6 credits of environmentally related courses selected with the approval of the Program Adviser (at least 3 credits must be in social sciences). A list of Suggested Courses is given below.

Suggested Course List

The Suggested Course List is divided into two thematic categories: Social Sciences and Policy; and Natural Sciences and Technology.

Most courses listed at the 300 level and higher have prerequisites. You are urged to prepare your program of study with this in mind.

This list is not exhaustive. You are encouraged to examine the course lists of the various domains in the Environment program for other courses that might interest you. Courses not on the Suggested Course List may be included with the permission of the Bieler School of Environment Program Adviser.

Some courses on the Suggested Course List may be subject to other regulations (e.g., the Restricted Courses List for Faculty of Science students). If in doubt, ask the Program Adviser.

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 at the Macdonald Campus in Sainte-Anne-de-Bellevue.

Social Sciences and Policy

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Course	Title	Credits
AGEC 231	Economic Systems of Agriculture.	3
AGEC 333	Resource Economics.	3
AGEC 430	Agriculture, Food and Resource Policy.	3
AGEC 442	Economics of International Agricultural Development.	3
AGRI 411	Global Issues on Development, Food and Agriculture.	3
ANTH 206	Environment and Culture.	3
ANTH 212	Anthropology of Development.	3
ANTH 339	Ecological Anthropology.	3
ANTH 418	Environment and Development.	3
ANTH 512	Political Ecology.	3
ECON 205	An Introduction to Political Economy.	3
ECON 225	Economics of the Environment.	3
ECON 326	Ecological Economics.	3
ECON 347	Economics of Climate Change.	3
ECON 405	Natural Resource Economics.	3
EDER 494	Human Rights and Ethics in Practice.	3
ENVB 437	Assessing Environmental Impact.	3
ENVR 201	Society, Environment and Sustainability.	3
ENVR 203	Knowledge, Ethics and Environment.	3
ENVR 400	Environmental Thought.	3
ENVR 421	Montreal: Environmental History and Sustainability.	3

GEOG 200	Geographical Perspectives: World Environmental Problems.	3
GEOG 210	Global Places and Peoples.	3
GEOG 216	Geography of the World Economy.	3
GEOG 221	Environment and Health.	3
GEOG 300	Human Ecology in Geography.	3
GEOG 301	Geography of Nunavut.	3
GEOG 302	Environmental Management 1.	3
GEOG 303	Health Geography.	3
GEOG 310	Development and Livelihoods.	3
GEOG 370	Protected Areas.	3
GEOG 403	Global Health and Environmental Change.	3
GEOG 408	Geography of Development.	3
GEOG 423	Dilemmas of Development.	3
GEOG 530	Global Land and Water Resources.	3
HIST 249	Health and the Healer in Western History.	3
HIST 292	History and the Environment.	3
NRSC 221	Environment and Health.	3
PHIL 221	Introduction to History and Philosophy of Science 2.	3
PHIL 230	Introduction to Moral Philosophy 1.	3
PHIL 237	Contemporary Moral Issues.	3
PHIL 334	Ethical Theory.	3
PHIL 341	Philosophy of Science 1.	3
PHIL 343	Biomedical Ethics.	3
PHIL 348	Philosophy of Law 1.	3
POLI 212	Introduction to Comparative Politics – Europe/ North America.	3
POLI 227	Introduction to Comparative Politics - Global South.	3
POLI 345	International Organizations.	3
POLI 350	Global Environmental Politics.	3
POLI 412	Canadian Voting/Public Opinion.	3
POLI 445	International Political Economy: Monetary Relations.	3
POLI 474	Inequality and Development.	3
PSYC 215	Social Psychology.	3
RELG 270	Religious Ethics and the Environment.	3
RELG 370	Religion and Human Rights.	3
SOCI 222	Urban Sociology.	3
SOCI 234	Population and Society.	3
SOCI 235	Technology and Society.	3
SOCI 254	Development and Underdevelopment.	3
SOCI 307	Globalization.	3
SOCI 365	Health and Development.	3
SOCI 366	Neighborhoods and Inequality .	3
SOCI 386	Contemporary Social Movements.	3
URBP 201	Planning the 21st Century City.	3
URBP 504	Planning for Active Transportation.	3
URBP 506	Environmental Policy and Planning.	3
URBP 530	Urban Infrastructure and Services in International Context .	3
URBP 551	Urban Design and Planning.	3
WCOM 314	Communicating Science.	3

Natural Sciences and Technology

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Course	Title	Credits
AGRI 340	Principles of Ecological Agriculture.	3
ANSC 326	Fundamentals of Population Genetics.	3
ANTH 311	Primate Behaviour and Ecology.	3
ATOC 214	Introduction: Physics of the Atmosphere.	3
ATOC 215	Oceans, Weather and Climate.	3
BIOL 240	Monteregian Flora.	3
BIOL 305	Animal Diversity.	3
BIOL 308	Ecological Dynamics.[1]	3
BIOL 310	Biodiversity and Ecosystems.	3
BIOL 342	Global Change Biology of Aquatic Ecosystems.	3
BIOL 418	Freshwater Invertebrate Ecology.	3
BIOL 432	Limnology.	3
BIOL 436	Evolution and Society.	3
BIOL 465	Conservation Biology.[1]	3
BREE 217	Hydrology and Water Resources.	3
BREE 322	Organic Waste Management.	3
BREE 327	Bio-Environmental Engineering.	3
BREE 518	Ecological Engineering.	3
CHEM 212	Introductory Organic Chemistry 1.	4
CHEM 281	Inorganic Chemistry 1.	3
CIVE 225	Environmental Engineering.	4
CIVE 323	Hydrology and Water Resources.[1]	3
CIVE 550	Water Resources Management.	3
COMP 202	Foundations of Programming.[1]	3
COMP 204	Computer Programming for Life Sciences.[1]	3
ENVB 210	The Biophysical Environment.	3
ENVB 301	Meteorology.	3
ENVB 305	Population and Community Ecology.[1]	3
ENVB 410	Ecosystem Ecology.	3
ENVB 415	Ecosystem Management.	3
ENVB 529	GIS for Natural Resource Management.[1]	3
ENVR 200	The Global Environment.	3
ENVR 202	The Evolving Earth.	3
ENVR 422	Montreal Urban Sustainability Analysis.[1]	3
EPSC 201	Understanding Planet Earth.	3
EPSC 233	Earth and Life Through Time[1]	3

EPSC 549	Hydrogeology.	3
ESYS 301	Earth System Modelling.	3
FDSC 230	Organic Chemistry.	4
GEOG 200	Geographical Perspectives: World Environmental Problems.	3
GEOG 201	Introductory Geo-Information Science.[1]	3
GEOG 205	Global Change: Past, Present and Future.	3
GEOG 272	Earth's Changing Surface.	3
GEOG 308	Remote Sensing for Earth Observation.	3
GEOG 321	Climatic Environments.	3
GEOG 322	Environmental Hydrology.[1]	3
GEOG 372	Running Water Environments.	3
GEOG 470	Wetlands.	3
GEOG 550	Historical Ecology Techniques.	3
LSCI 230	Introductory Microbiology.[1]	3
MICR 331	Microbial Ecology.	3
MIME 320	Extraction of Energy Resources.	3
MIMM 211	Introductory Microbiology.[1]	3
MIMM 214	Introductory Immunology: Elements of Immunity.	3
MIMM 323	Microbial Physiology.	3
NRSC 333	Pollution and Bioremediation.	3
PARA 410	Environment and Infection.	3
PARA 515	Water, Health and Sanitation.	3
PHYS 228	Energy and the Environment.	3
PLNT 304	Biology of Fungi.	3
PLNT 305	Plant Pathology.	3
PLNT 358	Flowering Plant Diversity.	3
PLNT 460	Plant Ecology.	3
SOIL 300	Geosystems.	3
WILD 302	Fish Ecology.	3
WILD 421	Wildlife Conservation.[1]	3

[1] Note: you may take LSCI 230 Introductory Microbiology. or MIMM 211 Introductory Microbiology., but not both; you may take ENVB 529 GIS for Natural Resource Management. or GEOG 201 Introductory Geo-Information Science., but not both; you may take one of BREE 217 Hydrology and Water Resources., CIVE 323 Hydrology and Water Resources. or GEOG 322 Environmental Hydrology.; you may take BIOL 308 Ecological Dynamics. or ENVB 305 Population and Community Ecology., but not both; you may take BIOL 465 Conservation Biology. or WILD 421 Wildlife Conservation., but not both; you make take COMP 202 Foundations of Programming. or COMP 204 Computer Programming for Life Sciences., but not both; you may take EPSC 201 Understanding Planet Earth. or EPSC 233 Earth and Life Through Time, but not both.