LIFE SCIENCES (MULTIDISCIPLINARY) MAJOR (B.SC. (AG.ENV.SC.)) (24 CREDITS)

Offered by: Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)
Degree: Bachelor of Science (Agricultural and Environmental Sciences)
Program credit weight: 24

Program Description

Students taking this specialization have a wide variety of Life Sciences course offerings to choose from, which allow them to target their program to their own interests in the field. Course choices are balanced between "fundamentals" and "applications." Depending upon the courses chosen, the resulting program may be relatively specialized or very broad, spanning several disciplines. Such a broad background in Life Sciences will open up employment opportunities in a variety of diverse bioscience industries; students with an appropriate CGPA may proceed to a wide variety of postgraduate programs or professional schools.

For information on academic advising, see: http://www.mcgill.ca/macdonald/studentinfo/advising

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.

Complementary Courses (24 credits)

24 credits selected from the following list:

Expand allContract all

Course	Title	Credits
ANSC 312	Animal Health and Disease.	3
ANSC 323	Mammalian Physiology.	3
ANSC 324	Developmental Biology and Reproduction.	3
ANSC 326	Fundamentals of Population Genetics.	3
ANSC 350	Food-Borne Pathogens.	3
ANSC 420	Animal Biotechnology.	3
ANSC 424	Metabolic Endocrinology.	3
ANSC 433	Animal Nutrition and Metabolism.	3
ANSC 560	Biology of Lactation.	3
BINF 511	Bioinformatics for Genomics.	3
BTEC 306	Experiments in Biotechnology.	3
BTEC 535	Functional Genomics in Model Organisms.	3
BTEC 555	Structural Bioinformatics.	3
ENTO 330	Insect Biology.	3
ENTO 352	Biocontrol of Pest Insects.	3
ENVB 301	Meteorology.	3
ENVB 305	Population and Community Ecology.	3
ENVB 313	Phylogeny and Biogeography.	3
ENVB 506	Quantitative Methods: Ecology.	3
ENVB 529	GIS for Natural Resource Management.	3
FDSC 442	Food Microbiology.	3
MICR 331	Microbial Ecology.	3
MICR 338	Bacterial Molecular Genetics.	3
MICR 341	Mechanisms of Pathogenicity.	3
MICR 450	Environmental Microbiology.	3
NUTR 337	Nutrition Through Life.	3
NUTR 512	Herbs, Foods and Phytochemicals.	3
PARA 410	Environment and Infection.	3
PARA 424	Fundamental Parasitology.	3
PARA 515	Water, Health and Sanitation.	3
PLNT 304	Biology of Fungi.	3
PLNT 305	Plant Pathology.	3
PLNT 310	Plant Propagation.	3
PLNT 353	Plant Structure and Function.	3
PLNT 358	Flowering Plant Diversity.	3
PLNT 426	Plant Ecophysiology.	3
PLNT 434	Weed Biology and Control.	3
PLNT 435	Plant Breeding.	3
PLNT 460	Plant Ecology.	3