PLANT BIOLOGY 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

This specialization emphasizes the study of plants from the cellular to the organismal level. The structure, physiology, development, evolution, and ecology of plants will be studied. Most courses offer laboratory classes that expand on the lecture material and introduce students to the latest techniques in plant biology. Many laboratory exercises use the excellent research and field facilities at the Morgan Arboretum, McGill Herbarium, Emile A. Lods Agronomy Research Centre, the Horticultural Centre and the Plant Science greenhouses as well as McGill field stations. Students may undertake a research project under the guidance of a member of the Plant Science Department as part of their studies. Graduates with the specialization may continue in post-graduate study or work in the fields of botany, mycology, molecular biology, ecology, conservation, or environmental science.

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.

Required Courses (9 credits)

Expand allContract all

Course	Title	Credits
PLNT 353	Plant Structure and Function.	3
PLNT 358	Flowering Plant Diversity.	3
PLNT 426	Plant Ecophysiology.	3

Complementary Courses (15 credits)

15 credits of complementary courses selected from:

Expand allContract all

Course	Title	Credits
ANSC 326	Fundamentals of Population Genetics.	3
BINF 511	Bioinformatics for Genomics.	3
ENVB 313	Phylogeny and Biogeography.	3
PLNT 304	Biology of Fungi.	3
PLNT 305	Plant Pathology.	3
PLNT 310	Plant Propagation.	3
PLNT 435	Plant Breeding.	3
PLNT 460	Plant Ecology.	3