

DEPARTMENT OF BIOLOGICAL SCIENCES

Biological Sciences is the study of living organisms, environments and the various relationships therein. It examines the structure, function, growth and development, origin, evolution, distribution, and classification of all living things. Biological Sciences at MacEwan University encompasses biochemistry, botany, genetics, microbiology, and zoology, allowing students to study a diverse range of organisms all the way from their molecular level to the ecosystems that these organisms inhabit. Courses in the department support two streams of study: Molecular/Cellular Biology and Ecology/Diversity Biology. Students will also gain technical expertise, which can be supplemented with research-intensive individual study courses or with field-based courses.

Chair

Kimberley Harcombe, PhD (Alberta)
Microbiology and Biotechnology

Faculty

Nina Bernstein, PhD (Alberta)
Biochemistry

Andrea Botero-Ramírez, PhD (Alberta)
Biological Sciences

Benjamin Bourrie, PhD (Alberta)
Biological Sciences

Victoria Bowles, MSc (Alberta)
Biological Sciences

Karen Christensen-Dalsgaard, PhD (Manchester)
Plant Physiology

Kathy Davies, BSc (Alberta)
Biological Sciences

Monica Davis, PhD (Alberta)
Molecular Biology and Genetics

Shannon Digweed, PhD (Lethbridge)
Evolution and Behaviour

Christina Elliott, MSc (Alberta)
Environmental Biology and Ecology

Leah Flaherty, PhD (New Brunswick)
Forestry and Environmental Management

Kevin Friesen, PhD (Alberta)
Physiology and Cell Biology

Randi Guest, PhD (Alberta)
Biological Sciences

Jessica Haines, PhD (Alberta)
Ecology

Melissa Hills, PhD (Australian National)
Biochemistry and Molecular Biology

Kevin Judge, PhD (Toronto)

Zoology

Erin Korpesho, MSc (British Columbia)
Environmental Sciences

David Locky, PhD (Alberta)
Environmental Biology and Ecology

David McFadyen, PhD (Alberta)
Molecular Biology and Genetics

Randi Mewhort, MSc (Alberta)
Environmental Biology and Ecology

Joshua Miller, PhD (Alberta)
Molecular Ecology

Habib Rezanejad, PhD (Ferdowsi University of Mashhad)
Molecular and Cellular Biology

Ross Shaw, PhD (British Columbia)
Zoology

Treena Swanston, PhD (Saskatchewan)
Molecular Anthropology

Amy Tessier, MSc (Alberta)
Biological Sciences

Annette Trimbee, PhD (McMaster)
Biological Sciences

Arthur Whiting, PhD (Alberta)
Biological Sciences

Reegan Willms, PhD (Alberta)
Immunology

Mark Wolansky, MSc (Alberta)
Biological Sciences