

BIOVETERINARY SCIENCE (BSc)



LEARNING YOU CAN
HOLD IN YOUR HANDS

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FACULTY OF AGRICULTURE

DEPARTMENT OF ANIMAL SCIENCE AND AQUACULTURE

Agricultural Campus

PO Box 550, Truro, NS

B2N 5E3 Canada

902.893.6600

Bioveterinary Science

IS BIOVETERINARY SCIENCE FOR ME?

This program is the right fit for you if you are interested in:

- Improving animal health and welfare
- Understanding zoonotic diseases
- Studying animal physiology and stress
- Improving animal nutrition
- Understanding patterns of disease (epidemiology)
- Studying fish health
- Preparing for veterinary medicine

The only Bioveterinary Science program in Canada, this four-year Bachelor of Science program at Dalhousie University's Faculty of Agriculture gives you the foundation for a career in veterinary medicine – and opens up a world of other exciting options. Bioveterinary Science is designed for students looking for a head start in veterinary medicine. You'll be eligible to apply to veterinary schools after just two years. Completing a four-year degree in Bioveterinary Science positions you for success as a graduate student in programs like animal science, aquaculture, veterinary science and human medicine. You'll also be prepared for exciting careers in animal health, food safety, veterinary sales, conservation and biotechnology. The Bioveterinary Science program is the starting point for your animal-related career of choice.

WHAT WILL I LEARN?

The first two years of the program are designed to give you the prerequisites needed to apply to veterinary college. During those first two years, your courses will include general university science (biology, chemistry, mathematics), English composition, as well as courses targeted to the bioveterinary sciences such as:

- Overview of the animal health sciences
- Comparative vertebrate anatomy
- Mammalian physiology
- Mammalian biochemistry

In your last two years, you will immerse yourself in courses that are central to understanding animal health:

- Veterinary immunology
- Veterinary epidemiology
- Ecology of zoonotic diseases
- Animal health
- Animal nutrition
- Introduction to molecular genetics

The electives during your third and fourth years can include:

- Domestic animal behaviour
- Animal welfare
- Animal stress and adaptation
- Companion animal biology
- Fish health
- Animal ethics

WHAT CAREERS CAN I PURSUE?

Once you have completed the Bioveterinary Science program, the list of possible career opportunities are endless. A few examples of the positions you will be eligible to apply for include:

- Veterinarian
- Wildlife or fisheries biologist
- Veterinary pharmaceutical representative
- Animal nutrition specialist
- Zookeeper
- Wildlife conservation officer
- Food promotion and inspection officer
- Animal welfare inspector
- Technical sales representative
- Research technician

WHO WILL HIRE ME?

Upon completing the Bioveterinary Science program, you will be prepared to work in a variety of settings. A few sample employers, include:

- Veterinary hospitals
- Zoos and wildlife parks
- Canadian Food Inspection Agency
- Veterinary pharmaceutical companies
- Agriculture and Agri-Food Canada
- Canadian Animal Health Institute
- Provincial and federal governments

WHAT GRADUATE PROGRAMS CAN I PURSUE?

Upon completion of the Bioveterinary Science program, students are well prepared to pursue graduate studies in:

- Animal science
- Animal conservation
- Zoology
- Veterinary medicine
- Animals and public policy
- Anthrozoology

FOR INFORMATION, CONTACT:

Janine Gray, Program Advisor
janine.gray@dal.ca, 902.896.2290 or 902.893.6644

