

ANIMAL SCIENCE (BSc Agr)



REAL ANIMALS,
REAL LEARNING

dal.ca/agriculture

FACULTY OF AGRICULTURE

DEPARTMENT OF ANIMAL SCIENCE AND AQUACULTURE

Agricultural Campus

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Animal Science

IS ANIMAL SCIENCE FOR ME?

This program offers students the opportunity to work with live animals in a fully-equipped farm environment. It not only teaches you about the genetics, physiology, health and nutrition of animals, it also delves deeply into the industries in which animals are raised, their environmental impacts and ecosystems. This program prepares students for work that applies their knowledge of animal biology and function to the best system possible to support animal development. As well, students can apply to veterinary college after their second year of this program.

WHAT WILL I LEARN?

Our courses prepare students for a wide range of careers, and they include general university science (biology, chemistry, statistics), combined with humanities and social science electives, as well as courses targeting animal science, including:

- Animal agriculture
- Mammalian physiology
- Genetics

In your senior years, you will immerse yourself in courses that are central to understanding animals in agriculture:

- Animal breeding
- Animal nutrition
- Growth, reproduction, and lactation
- Animal health

In your third or fourth year, you have the opportunity to select and conduct your own research project and select from an array of electives, such as:

- Molecular genetics applied to animal production
- Ecology of milk production in ruminants
- Farm animal behaviour and welfare
- Carnivore biology
- Avian production systems
- Meat science

WHAT CAREERS CAN I PURSUE?

As an Animal Science graduate, your knowledge of how animals function and the business of caring for them gives you access to professional opportunities, including:

- Careers in provincial departments of agriculture
- Careers in livestock breeding organizations
- Animal welfare evaluator
- Animal nutrition specialist
- Livestock specialist
- Farm manager
- Commodity marketing specialist
- Research and laboratory technician
- A BSc (Agr) qualifies you to article for full membership in the Nova Scotia Institute of Agrologists (or any other provincial agrology institute)

If you choose to pursue advanced training, other career paths may include:

- Professor or instructor in animal science (animal physiology, animal nutrition, animal genetics, animal behaviour, meat and dairy products specialist, and more)
- Federal research scientist in animal science
- Veterinarian

WHAT GRADUATE PROGRAMS CAN I PURSUE?

Upon completion of the Animal Science program, you will be well positioned to take advantage of study opportunities in a variety of areas such as:

- Master of Science (MSc) in Animal Science
- Doctor of Veterinary Medicine (DVM)
- Master of Science (MSc) in Food Product Development
- Master of Science (MSc) Resource Management
- Bachelor of Education (BEd)
- Bachelor of Laws (LLB or JD)

WHY STUDY ANIMAL SCIENCE AT DAL'S TRURO CAMPUS?

- **Hands-on:** Students supplement classroom and lab learning by working with actual animals.
- **Specialized:** Focus your studies on dairy cattle, sheep, poultry, or mink.
- **Top-notch facilities:** The campus farm includes the Canadian Centre for Fur Animal Research, Atlantic Poultry Research Centre and Ruminant Animal Centre (including dairy cattle and sheep facilities).
- **Research hub:** Dalhousie's Faculty of Agriculture hosts organizations like the Canadian Centre for Fur Animal Research and the Organic Agriculture Centre of Canada.
- **Individual attention:** Small class sizes mean our students don't get lost in the crowd and get personalized interaction and instruction with faculty.

FOR INFORMATION, CONTACT:

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