

Faculty of Agriculture

Animal Science (BSc Agr)



Real Animals, Real Experience

DEPARTMENT OF ANIMAL SCIENCE AND AQUACULTURE
Agricultural Campus | PO Box 550 | Truro, NS B2N 5E3 Canada



DALHOUSIE
UNIVERSITY

dal.ca/studyanimalscience

IS ANIMAL SCIENCE FOR ME?

Work with live animals in a fully-equipped farm environment. This program prepares you for work that applies your knowledge of animal biology and function to the best system possible to support animal development. After completing two years of this program you will qualify to apply to veterinary college.

WHAT WILL I LEARN?

Our courses will prepare you 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 can 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
- Equine nutrition

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 apply for full membership in the Nova Scotia Institute of Agrologists (or any other provincial agrology institute)

WHAT GRADUATE PROGRAMS CAN I PURSUE?

In third or fourth year, Animal Science majors have the opportunity to select and conduct their own research project through an Honours stream. This will help you 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:

Gillian Fraser, Program Advisor
Gillian.fraser@dal.ca

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