

Faculty of Agriculture

**Plant Science
(BSc Agr)**



Cultivate Your Future

DEPARTMENT OF PLANT, FOOD, AND ENVIRONMENTAL SCIENCES
Agricultural Campus | PO Box 550 | Truro, NS B2N 5E3 Canada
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DALHOUSIE
UNIVERSITY

dal.ca/studyplantscience

IS PLANT SCIENCE FOR ME?

The Plant Science program builds on plant-soil environment and ecosystem relationships including production, storage, and use of plants as food, medicine, nutraceuticals, and emerging fibre sources - as well as for ornamental purposes.

As you become more deeply involved with the discipline of Plant Science, you'll discover useful, creative, and innovative solutions to real-world problems, such as food security and safety issues, both at home and abroad.

Plants play a key role in the well-being of humans and animals by providing nutrition, and by contributing to a healthy and beautiful environment. When you understand plants, you will have the power to tackle issues related to food quality, safety and security, clean air, and clean water. Here you'll gain state-of-the-art knowledge and skills and will be trained to contribute to the solution of one of our world's greatest problems: finding ways to sustainably feed our planet's fast-growing population.

WHAT WILL I LEARN?

Dive into contemporary issues related to environmental integrity, biotechnology, plant breeding, sustainable crop production and more. A few of the courses you will study, include:

- Plant Physiology
- Genetics
- Structural Botany
- Weed Science
- Principals of Plant Pathology
- Soil Fertility and Nutrient Management
- Research Methods in Agriculture

WHAT CAREERS CAN I PURSUE?

With our four-year Bachelor of Science in Agriculture, major in Plant Science, you will be prepared for a variety of careers. Your training will provide experience for a diverse job market; such as positions in research labs in universities, provincial and federal government service agencies, extension services, urban agriculture and community organizations, private industry in agribusiness, consulting, farming, processing or marketing.

Following the completion of this degree, you will be eligible for Professional Agrology Membership (NSIA Nova Scotia Institute of Agrology; Agrology Agronomes Canada).

Some career options you might consider, include:

- Horticulturist
- Agronomist
- Farm manager
- Extension specialist
- Food science technician
- Researcher

WHAT GRADUATE PROGRAMS CAN I PURSUE?

If you are interested in future study, this program will open doors for you to go into a MSc or PhD degree, or with this major you can move to medicine, political science, environmental law, or human nutrition.

WHY STUDY PLANT SCIENCE AT DAL'S TRURO CAMPUS?

Contribute to the solution: One of the world's greatest challenges is finding ways to feed our planet's fast growing population, making plant science one of the most important disciplines for our future.

Learn on a real farm: Our Agricultural Campus, located an hour outside Halifax in Truro, features a fully operational, 200-hectare farm, with demonstration gardens, greenhouses, species collections, 100 hectares of commercial grain and forage production, and a 14-hectare natural woodlot.

See the big picture: The Plant Science program focuses on the relationships among plants, soil, ecosystems and the environment, while providing an international perspective in both teaching and research through links with institutions abroad.

Be business minded: With our strong entrepreneurial emphasis, you'll learn skills that can help you become your own boss.

FOR INFORMATION, CONTACT:

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