

Faculty of Agriculture

Technology Diploma in Plant Science



Dig Deep into Plant Production

DEPARTMENT OF PLANT, FOOD, AND ENVIRONMENTAL SCIENCES
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DALHOUSIE
UNIVERSITY

dal.ca/studyplantsciencetechnology

IS THIS TWO-YEAR DIPLOMA PROGRAM FOR ME?

In this program, you'll see first-hand how environmental factors affect plant growth. You'll propagate plants, glean from the soil what makes them grow, and discover how to control and improve that growth. You will also learn how to grow a plant-dependent business and your education will set you apart from everyone else in the job market.

WHAT WILL I LEARN?

Flexibility is a strength of our program. Get the diploma you really want by selecting the courses you love. Once your first-year courses are complete, you can choose the full 12 courses in your second year. We offer courses in a wide variety of subject areas, from horticulture, agronomy and business to engineering and animal science. If you decide to choose four organic courses in the 12 electives available, you can receive a Certificate in Organic Agriculture in addition to your Diploma in Plant Science.

You'll begin your first year learning the science and art of plant growth and propagation methods and the management of pest and disease along with business skills and practices for production. The core courses required for a two-year Technology Diploma in Plant Science cover such topics as:

- Plant propagation & pathology
- Business and entrepreneurship
- Accounting
- Computer methods
- Plant physiology
- Weed science
- Human resource management

WHAT CAREERS CAN I PURSUE?

With our two-year Technology Diploma in Plant Science, you will be prepared for a variety of careers in urban agriculture and community organizations, private industry in agribusinesses, consulting, farming, processing or marketing. As well, you may wish to start up your own business or become involved in organic production – the opportunities are endless. Graduates of the Plant Science Technology program have gone on to a wide variety of careers, including the following:

- Plant technologist
- Greenhouse manager
- Landscape manager
- Crop advisor
- Farm managers
- Agrochemical sales representative
- Agriculture and horticulture consultant
- Entrepreneurs in horticultural business

WHAT OTHER PROGRAMS CAN I PURSUE?

If you discover during your studies that you have a passion for research or academics, you'll have a number of options for further study once you successfully complete your diploma.

The Plant Science Diploma prepares you well for Bachelor of Science, Agriculture programs and can easily provide you with at least 30–45 credits towards a degree.

Programs that may be of interest to you, include:

- Bachelor of Science (BSc) in Plant Science
- Agricultural Business, Agricultural Economics, Integrated Environmental Management, or Environmental Sciences
- Bachelor of Technology in Small Business Management
- Bachelor of Arts (BA) in International Development

WHY STUDY PLANT SCIENCE AT DAL'S TRURO CAMPUS?

Short track to the job market: After only two years of study, you'll have a diploma and the knowledge you need to begin a career in a plant science industry

Facilities: Greenhouses, tissue culture lab, demonstration and teaching gardens and a plant products food lab - all offer opportunities to enhance your classroom learning

Growing in a sustainable way: The program encompasses the many aspects of land stewardship, and of course, ecologically responsible production systems

FOR INFORMATION, CONTACT:

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