

DEPARTMENT OF PLANT SCIENCE

About the Department of Plant Science

Our understanding of biological systems has advanced exponentially since the beginning of the twenty-first century, and technological developments now allow us to pose questions that simply could not be asked a few decades ago. We also live in a time of great challenges: the human population is now over eight billion and continues to rise at an alarming rate; the climate is changing dramatically; worldwide energy availability is decreasing; quality freshwater is becoming scarce; biodiversity is disappearing; and a number of wild habitats are threatened by human activities.

How can we keep feeding the growing population with quality food while resources are scarcer than ever? How will plants react to a changing climate? How can we design effective conservation strategies to preserve biodiversity? Plant scientists have a crucial role to play in solving these problems, and using the knowledge accumulated in the field of biology to answer these questions.

The Department of Plant Science contributes to several undergraduate programs that will train tomorrow's agrologists, ecologists, botanists, and biotechnologists. These include **Specializations** in Ecological Agriculture, Plant Biology, Plant Production, as well as both the Environmetrics and the Food Production and Environment domains of the Bieler School of Environment. For related program information, see Bachelor of Science (Agricultural and Environmental Sciences) – B.Sc.(Ag.Env.Sc.).

Available Programs

- Agricultural Production Minor (B.Sc.(Ag.Env.Sc.))
- Commercial Cannabis (Dip.)
- Field Crops and Horticulture Specialization (B.Sc.(Ag.Env.Sc.))
- Global Food Security Specialization (B.Sc.(Ag.Env.Sc.))
- Soil and Water Resources Specialization (B.Sc.(Ag.Env.Sc.))
- Sustainable Agriculture Systems Major (B.Sc.(Ag.Env.Sc.))

Location

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